

CUBIT Capability Proposal

Technical Area

Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Technical Lead

Cubit Developer in charge of technical area

Metadata / Parsing	Darryl
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MRD Description

Describe the capability in terms of how a user would see it.

Extend the parser to accommodate parts and assemblies. Also provide some assembly-related aprepro functions.
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SRS Description

What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

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| <ol style="list-style-type: none">1. Extend df parser to work with parts and assemblies. An example is “volume in part ‘/assem/part’ instance 1”.2. Optionally, make the df parser capable of returning lists of assembly nodes (i.e., write a parse_assembly_nodes() function). |
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Justification

Describe why this is important and what impact it will have if it is implemented. (or not implemented).

The main purpose for this is to make it possible to test metadata. A couple of bugs crept into the 10.1 release because the automated tests couldn't check which volumes were in a part. This could be useful for advanced users as well.

Resources

Who will work on this

Time estimate

How much time will it take in man-weeks

Targeted Release

10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

Darryl	Task 1: 1 weeks	10.2
Darryl	Task 2: 1-2 weeks	10.2

Submitted By:**Date:**

Darryl	3/28/06
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